

## REMARKS

In the Application, claims 1-13 are pending. The applicant thanks the Examiner for allowing claims 9-11, provided the claims are rewritten in a form to include all the limitations of the base claim and any intervening claims. Herein applicant cancels without prejudice claims 1-8, 12, and 13 without prejudice.

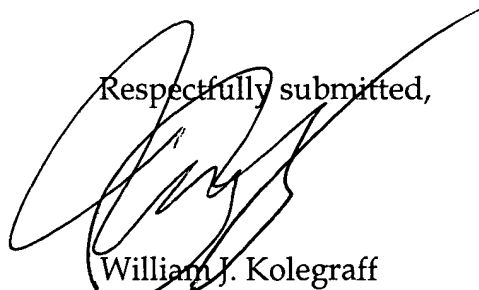
In the Office Action, the Examiner addresses claims 1-8, 12, and 13. Herein applicant has cancelled these claims without prejudice, therefore the matters addressed regarding claims 1-8, 12, and 13 are moot.

In the Office Action, the Examiner finds claims 9-11 to have allowable subject matter. Herein, applicant rewrites claim 9 into independent form to include the limitations of base claim 1 and intervening claim 6. As amended, independent claim 9 is believed to be in a condition for allowance. Also, claims 10 and 11, which depend from independent claim 9, are also believed to be in a condition for allowance.

## CONCLUSION

Applicant respectfully submits that pending claims 9-11 are now in a condition for allowance. If the Examiner would find it useful, the Examiner is invited to call the undersigned attorney.

Respectfully submitted,



William J. Kolegraff  
Reg. No. 41.125  
3119 Turnberry Way  
Jamul, CA 91935  
Phone: 619-401-8008  
Fax: 619-401-0808

## VERSION WITH MARKINGS TO SHOW CHANGES MADE

(Added text is underlined and deleted text is in brackets)

### In the Claims:

9. (Amended)      A tunable power amplifier comprising:  
\_\_\_\_\_ a power amplifier;  
\_\_\_\_\_ a ferro-electric tunable component coupled to the power amplifier;  
\_\_\_\_\_ a power amplifier output matching circuit coupled to the power  
amplifier, having an impedance and comprising the ferro-electric tunable  
component;  
\_\_\_\_\_ a control line operably coupled to the ferro-electric component;  
\_\_\_\_\_ a control source electrically coupled to the control line, the control  
source configured to transmit a control signal on the control line;  
\_\_\_\_\_ wherein the ferro-electric component, responsive to the control  
signal, adjusts the impedance of the matching circuit; and  
\_\_\_\_\_ wherein the matching circuit comprises:  
\_\_\_\_\_ a first tunable ferro-electric capacitor coupled at a first end  
of the first capacitor to an output of the power amplifier and to  
ground at a second end of the first capacitor;  
\_\_\_\_\_ an inductive element coupled at a first end of the inductor to  
the first tunable capacitor and to the power amplifier, and;  
\_\_\_\_\_ a second tunable ferro-electric capacitor coupled, at a first  
end of the second capacitor to a second end of the inductive  
element and to ground at a second end of the second capacitor;  
\_\_\_\_\_ wherein, the ferro-electric component comprises one of the  
ferro-electric tunable capacitors;  
[The tunable power amplifier of claim 6, further comprising: ]a  
second inductive element coupled at a first end of the second inductive element  
to the second end of the first inductive element; and  
a third ferro-electric tunable capacitor coupled at a first end of the third  
capacitor to a second end of the second inductive element and at a second end of  
the third capacitor to ground.